Network Control Center

STDN DAILY REPORT
FOR GMT DAYS
02, 03 AND 04 APRIL, 2001

Part I. Operations

02 APRIL

A. SN Anomalies:

1. HST Support 02/2035-2039Z

Late acquisition due to a POCC scheduling error. The POCC reported that they scheduled wrong frequency in the SHO. TTR # 23799

TDW 2035-2127Z 1 Min. Data Loss Recov 2 Mins. Data Loss Non-Recov

2. TERRA Operator Error 02/1842-1900Z

TERRA POCC reported not receiving data at event start. WSGT reported good RF and lock on data. After investigation the anomaly was found to be that TERRA POCC failed to adjust it's schedule Per. NAM 531 DTG 01/1117Z. TTR # 23797

171 1842-1908Z 17 Min. 20 Sec. Data Loss (Non-Recov)

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/FAST Support 02/0454-0502Z

Command Echo Connection broken, cause unknown. One command sent at 2001-092-04:54:19.316Z. No more commands

were received or transmitted to the S/C for the remainder of the support. The "Quicklook" screen indicated no problems and all connections were still established. There is no entry in the Leo-T Fast Event Log for this failure. Post pass events indicated all received D/L data was transmitted to the project. Software problem (?) because no visible attempts were made to reconnect for command echo's. TTR # 23795 CDS ID # 18431

LEO-T 0451-0501Z Unable to Command Spacecraft

2. AGS/FAST Support 02/091907-093004Z

EUI Manager window indicated no received data from the S/C (All VC counts were at 0) and connection status indicated "Not Connected". Several warning messages scrolled very quickly past in the activity window indicating a problem. The U/L was terminated and procedures were initiated to transfer the support to TOTS-1, at 09:23:23Z. LEO-T processing system completed shutdown at 09:25:23Z, breaking the connections. TOTS-1 Connections were completed @ 09:25:55z. No commands were sent for this support. The LEO-T Log indicate a command was received at 09:23:22, but wasn't Uplinked because shutdown procedures had been initiated and was in progress. Post pass evaluation of the log indicates that the EUI Manager viewer window wasn't being fully updated with all of the current status information. Leo-T was again shutdown, to correct the with updating the terminal screen. Real-time data was interrupted for the transfer but all data was sent post pass from TOTS-1. TTR # 23796 CDS ID# 18432

LEO-T 0918-0930Z 10 Mins. 57 Secs. Service Loss

3. SKS/QST Support 02/164328-165728Z

The loss of both the 4-kb and 262 kb telemetry data was due to configuration problems. A further investigating is needed to determine the exact cause of this problem. TTR # 23798 CDS ID# 18433

S-BAND 14 Mins. Service/Data Loss Non-Recoverable

4. WGS/SWAS Support 02/1836-1846Z

Support was initially scheduled for the TOTS antenna but due to a failure of the system earlier in the day the support was moved to the LEOT. The LEOT system was also scheduled down for a system upgrade to install the CDMU. Determination was made that system should be able to support even though modification was in progress. During support station was seeing the CFS dropping lock through out the support. Project also reported that they were not able to command their spacecraft. Post pass found that there is a problem with the 5 Mhz reference signal installed during the installation of the CDMU. This problem is under investigation as part of the modification. TTR # 23800 CDS ID# 18437

LEO-T 10 Mins. Service/Data Loss Recoverable (Unknown)

03 APRIL

A. SN Anomalies: - None.

B. ISS Anomalies - None.

C. GN Anomalies:

1. SGS/TERRA Support 03/1738-1750Z

Station reported not receiving the 512Q data on site. Also they did not notice any lock on the BITSYNC nor did they see frames on their PTP. Reason Unknown. TTR # 23801 CDS ID# 18441

11M 4 Mins. Data Loss Recoverable (Unknown)

04 APRIL

A. SN Anomalies: - None.

B. ISS Anomalies : - None.

C. GN Anomalies:

1. WGS/SWAS Support 04/0906-0912Z

Operator recognized a problem when the TOTS antenna was at 8 degrees elevation with no acquisition of signal. Investigation showed that azimuth axis was not moving, that azimuth appeared to be in limits. Manual control was initiated and was able to get azimuth to move; however, azimuth was 180 degrees away from computer indicated position. After getting the antenna out of limits and on the spacecraft, 6 minutes had elapsed. Antenna position for AOS was computer generated. No cause has been determined. Previous SAMPEX support was without incident as was subsequent TRACE support. TTR # 23802 CDS ID# 18444

TOTS 0906-0918Z 6 Mins. Service/Data Loss Recoverable (Unknown)

D. NAM 532 WSC Software/Firmware Configuration was issued.

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test:

1. AN ENGINEERING TEST 03/1700-03/2100Z GSFC/MOSA/NISN, WITH JASON-1 POCC JASON-1POCC/JPL, PLE/WFF

OBJECTIVES:
Continued proficiency training for the JASON-1 POCC and LEO-Ts.

RESULTS: OBJECTIVE NOT MET.

REMARKS:

The test was cancelled due to equipment anomalies at PLE/WFF. The site is investigating the anomaly. The test will be re-scheduled.

Part III. Equipment Status Changes - None.

$ = Changed ETRO
** = New Items

Part IV. Scheduled Activities:

NCCDS-CCS-R-WSC-SMTF Engineering Interface Test	05/1300-1900Z
TILT RF TDRS-1 Checkout	05/1700-2100Z
Engineering Test w/JASON-1 POCC, WFF & PKRR	05/1715- 1900Z
TDRS/P-3 & OAS DELTA/MARS ODYSSEY F-2 Tele Data Flow	05/1305-2000Z

Part V. Launch Forecast Changes:

1. H1435LS (SEALAUNCH/XM-1R) NET 07 MAY 2001 T-0 = 2210Z

2. W1576LS (PEGASUS/HESSI) NET 04 JUN.,2001 T-0 = 1400Z

3. M2104LS (STS-104/ISS-10-7A) NET 14 JUN.,2001 T-0 = 2015Z